

UNITED STATES GOVERNMENT

# Memorandum

25X1A5a1

TO : The Files: [REDACTED]

DATE: 29 March 1963

FROM : [REDACTED] 25X1A9a

SUBJECT: Conference Report - MAX-1 with [REDACTED]

25X1A5a1

1. Project Description:

MAX-1 is a fully automatic, electronic, solid-state stored program store and forward message switching system. The system is to replace an existing teletype torn tape relay station and shall route traffic in accordance with ACP-127.

2. Contractual Information:

25X1A5a1

- a. Initial Cost: [REDACTED]
- b. Initiation Date: 1 March 1963
- c. Completion Date: 1 March 1964
- d. Deliverable Items: MAX-1 Switch

3. Date of Meeting: 20, 21, 22 March 1963

4. Place of Meeting: [REDACTED], Washington, D. C.

25X1A6d

5. Persons Attending:

Agency

Non-Agency

25X1A9a

Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.

[REDACTED]

Mr.  
Mr.  
Mr.  
Mr.  
Mr.  
Mr.

[REDACTED]

25X1A5a1

6. Contractor's Performance:

- a. On Schedule and expected to remain so: Yes
- b. Within Obligated Funds and expected to remain so: Yes
- c. Satisfactory Technical Progress: Yes

SUBJECT: Conference Report - MAX-1 with [REDACTED]

25X1A5a1

7. Project Status:

A review of the MAX-1 Specification No. 62-A-1161-A was made point by point and the following understandings were reached:

101 - ACP-127 (c), supplements one and two were established as the applicable documents and copies were supplied to the contractor.

201.1 - 80 FDX lines rather than 52 FDX will be the design goal.

201.2.1 - Between 30 FDX lines and 64 FDX lines is a point requiring more core and disc storage. The contractor will identify this point.

202.4 - The contractor proposed a plan where the two disc files would be run from one processor. We asked that the system be full dual with each processor operating its own disc file.

302 - Delete "as soon as a complete message heading is received", see 303.

302.2 - Average five minutes, but could be as high as 30 minutes.

303.3 - This item was discussed in detail and we will delete the 106 wpm if they can hold synchronism with the KW 26 in 5-7 mode.

401, 402 - Circuit and system status information will be printed out upon request with columns showing alarms, outages, precedence, etc.

406.2.2 - In the contractor's proposal they said for "incoming" only. They will also study the "outgoing" problem too.

501.2 - Instead of system IN number use, MAX's DTG.

503 - Where it says "specified type" we will supply as listing on 9 April 1963.

SUBJECT: Conference Report - MAX-1 with [REDACTED]

25X1A5a1

601 - Change ACP-127 (b) to ACP-127 (c).

604.1 - We may drop the two minute requirement as we haven't developed the function box arrangement for the far end station.

607 - They will provide for the code conversion; however, it would be helpful if we can tell them what code.

702 - Change "paragraph 905" to TRAFFIC ROUTING SECURITY notes, "see attached."

703 - Delete as no longer required.

707 - Contractor will supply the names by 9 April 1963 of the people requiring T.S. crypto clearance.

801.1 - Much discussion on training of operators whether to have one or two courses. The contractor will supply whichever we decide; the contractor recommends the attached REASONING test to be used as an entrance requirement.

805 - There will also be an Operational Test in Cedar Rapids, Iowa, before the machine is shipped. We are to supply the Government Furnished Equipment, Teletype and KW 26's for the test.

806 - The contractor submitted a new PERT chart showing an overally speed-up of program. See attached.

807 - SPARE PARTS SHIPMENT. Three weeks will be necessary to ship spare parts to the site. The contractor will ship the parts upon notification of part failure. We will also ship, at this time, the defective part to them. We will let them know what the shipping channel will be.

901.1 - The contractor submitted a new floor plan. See attached.

901.2 - Change "20% voltage drop" to "10% voltage drop."

902.3.1 - "Module change" will mean the addition of a card holder.

902.3.2 - Change .020 ampere to .030 ampere and change 300 VDC to 130 VDC.

SUBJECT: Conference Report - MAX-1 with [REDACTED]

25X1A5a1

902.3.3 - Change 48% to 30%.

904.1 - Add after 220 groups and heading of about 50 groups.

904.2 - Add maximum heading of 400 groups.

904.3 - Change 1.5:1 to 1:1.5.

In addition to the Specification, the contractor referred to their letter of 12 January 1963, enclosure (c) Quotation and Analysis, Recommended Tools and Test Equipment page 2, [REDACTED] Type 879P-2 Static Card Test Set, \$10,200.00. This item is no longer recommended as it will not test but half the cards in our processor. They have the card testing problem under study. Arrangements also were made to have [REDACTED] attend a five weeks programming school starting 6 May 1963. The next meeting was set for Newport Beach, California on 9 April 1963, and power and air conditioning people will meet here in Washington on 15 April 1963.

25X1A5a1

25X1A9a

25X1A9a

[REDACTED] 25X1A9a

Distribution:

~~R&D~~ Subject File  
OC-OS  
ESB  
Monthly (2)  
EP Chrono